

WHAT IS CLAIMED IS:

1. A closure device, comprising:  
a top wall;  
a skirt depending from the top wall; and  
a plurality of pads arranged circumferentially on the top wall, the pads extending into a space formed by the top wall and the skirt, the pads configured to vent gas between adjacent pairs of pads during molding of a liner material against the top wall.
2. The closure device of claim 1, wherein the pads are configured to engage a face of an outer punch of a liner-molding device during compression of the liner material against the top wall by an axially movable inner punch of the liner-molding device.
3. The closure device of claim 1, wherein the face of the outer punch is essentially flat.
4. The closure device of claim 1, wherein the pads are radially oriented on an inner surface of the top wall.
5. The closure device of claim 4, wherein the inner surface of the top wall is one of circular, oblong, elliptical, parabolic, spiral, and spherical.
6. The closure device of claim 1, wherein the skirt includes threads configured to interact with a threaded portion of a container neck.
7. The closure device of claim 1, further comprising a tamper indicating band arranged on the skirt.
8. The closure device of claim 1, wherein the closure device is made of one of a rigid and semi-rigid material.

9. The closure device of claim 8, wherein the material includes plastic.

10. The closure device of claim 8, wherein the material includes polypropylene.

11. The closure device of claim 1, wherein the closure device is constructed as a single piece.

12. A method of forming a liner in a closure device, comprising:

applying a moldable material to a top wall of the closure device;

engaging a face of a punch of a liner-molding device with pads arranged on the top wall, the pads extending into a space formed by the top wall and a skirt depending from the top wall;

compressing the moldable material by the punch against the top wall to form the liner; and

venting gas between adjacent pairs of pads during the compressing step.

13. The method of claim 12, further comprising forming the closure device.

14. The method of claim 12, wherein the punch includes a flat face.

15. The method of claim 12, wherein the moldable material is compressed in the compressing step against the top wall by extending an axially movable inner punch of the liner-molding device.

16. A closure, comprising:

a top wall;

a skirt depending from the top wall; and  
venting means arranged circumferentially on the top wall for venting gas during molding of a liner material against the top wall.

17. A device for forming a liner in a closure, comprising:

means for applying a moldable material to a top wall of the closure device;

means for engaging pads arranged on the top wall, the pads extending into a space formed by the top wall and a skirt depending from the top wall;

means for compressing the moldable material against the top wall to form the liner; and

means for venting gas between adjacent pairs of pads during the compression of the moldable material against the top wall.